

**OPINION 2356 (Case 3594)*****Ecdyonurus* Eaton, 1868 and *Ephemera venosa* Fabricius, 1775 (currently *Ecdyonurus venosus*; Insecta, Ephemeroptera): usage conserved by designation of a neotype for *Ephemera venosa***

**Abstract.** The Commission has conserved the prevailing usage of the generic name *Ecdyonurus* Eaton, 1868 and the specific name *Ecdyonurus venosus* (Fabricius, 1775), by setting aside the existing name-bearing type of *Ecdyonurus venosus* and designating a neotype.

**Keywords.** Nomenclature; taxonomy; Insecta, Ephemeroptera; HEPTAGENIIDAE; *Ecdyonurus*; *Ecdyonurus venosus*; mayflies.

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**Ruling**

- (1) Under the plenary power the International Commission on Zoological Nomenclature has set aside all previous type fixations for the name *Ephemera venosa* Fabricius, 1775 and designated as neotype the male imago specimen in the Natural History Museum, London (labelled Wales, Cardiganshire, Tregarron, 30.vi.1930, E.M. Moseley).
- (2) The name *Ecdyonurus* Eaton, 1868 (gender: masculine), type species by original designation *Ephemera venosa* Fabricius, 1775 is hereby placed on the Official List of Generic Names in Zoology.
- (3) the name *venosa* Fabricius, 1775, as published in the binomen *Ephemera venosa* and as defined by the neotype designated in (1) above is hereby placed on the Official List of Specific Names in Zoology.

**History of Case 3594**

An application to conserve the usage of the names *Ecdyonurus* Eaton, 1868 and *Ephemera venosa* Fabricius, 1775 (currently *Ecdyonurus venosus*; Insecta, Ephemeroptera) by designation of a neotype for *Ephemera venosa* was received from Ernst Bauernfeind (*clo Naturhistorisches Museum Wien, Burgring 7, A-1010 Wien, Austria*) and Arne Haybach (*Anden Mühlwegen 23, D-55129 Mainz, Germany*) on 11 May 2012. After correspondence the Case was published in BZN 69: 254–259 (December 2012). The title, abstract and keywords of the Case were published on the Commission's website. A supportive comment was published in BZN 70: 112.

The Case was sent for vote on 3 September 2014 (VP 17).

**Decision of the Commission**

At the close of the voting period on 3 December 2014 the votes were as follows:

Affirmative votes – 19: Alonso-Zarazaga, Ballerio, Bogutskaya, Bouchet, Brothers, Fautin, Grygier, Halliday, Harvey, Krell, Kullander, Lamas, Pape, Rosenberg, van Tol, Winston, Zhang, Zhou & Yanega.

Negative votes – 2: Kojima, Štys.

Kottelat, Ng, Patterson & Pyle were on leave of absence.



Voting FOR, Bouchet said that he understood the facts behind the Case and voted FOR the proposals, but regretted that the neotype did not come from Fabricius's type locality, i.e. Denmark. Also voting FOR, Grygier said that the latter half of paragraph 15 wrongly treated '*Ecdyonurus* sensu Kimmins (1942) et auct. sequ.' as a junior homonym of *Ecdyonurus* Eaton, 1868. The former has no such status and no separate availability; *Ecdyurus* Eaton, 1868 is not its replacement, but simply the next most senior available synonym of Eaton's *Ecdyonurus*, but this quibble did not affect the substance of the Case.

Voting AGAINST, Kojima said that the purpose of this proposal was quite ambiguous. The current usages of *Siphonurus* Eaton, 1868 and *Ecdyonurus* Eaton, 1868 could be conserved by application of Article 70.3.2 without any intervention of the Commission, as the authors of this proposal clearly mentioned. However, the plenary power of the Commission was required to conserve the usage of *Ecdyonurus venosus* (Fabricius, 1775) instead of using the specific name *venosus* Fabricius, 1775 in combination with the generic name *Siphonurus* Eaton, 1868; however, this proposal mentioned little about why the usage of *Ecdyonurus venosus* (Fabricius, 1775) itself should be conserved. Also voting AGAINST, Štys said that the application was deficient in proposing a usage of the name *Ephemera venosa* F., 1775 for *Ecdyonurus venosus* sensu Kimmins (1942) et auct. (in HEPTAGENIIDAE) but not for sensu Fabricius (1775) in SIPHLONURIDAE although a Fabricius syntype is extant. By a suitable usage of the plenary power of the Commission, the homonymy between siphonurid and heptageniid 'venosus' could have been avoided, and the names concerned retained.

### Original references

The following are the original references to the names placed on the Official Lists by the ruling given in the present Opinion:

*Ecdyonurus* Eaton, 1868, *Transactions of the Linnean Society, London (Zoology)*, 2(3): 142.  
*venosa*, *Ephemera*, Fabricius, 1775, *Systema entomologiae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus*. Officina Libraria Kortii, Flensburgi & Lipsiae, p. 304.